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FIG.1A

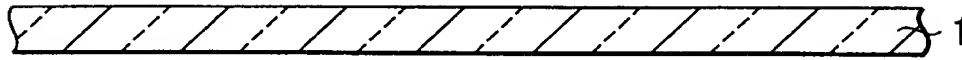


FIG.1B



FIG.1C

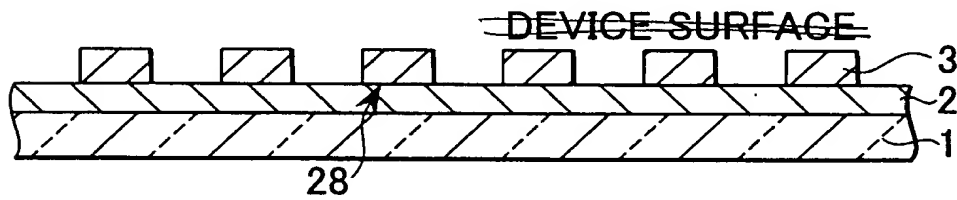


FIG.1D

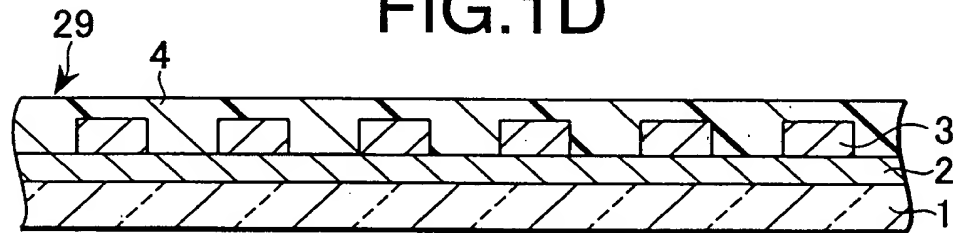


FIG.1E

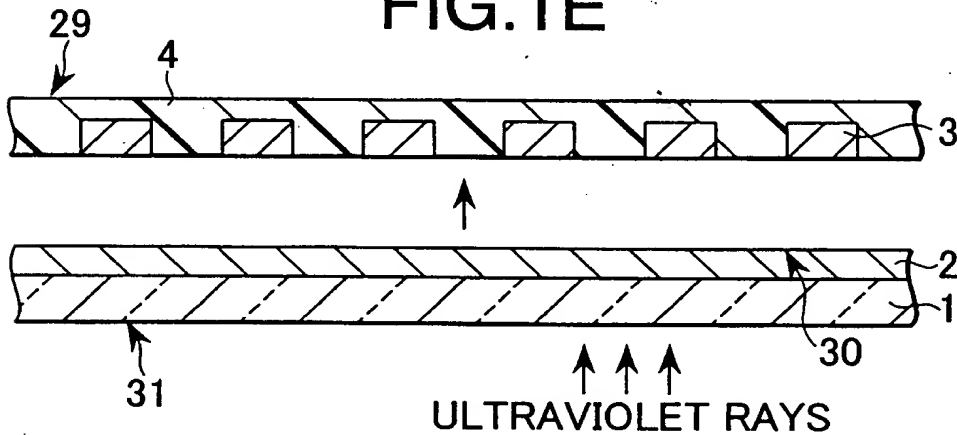


FIG. 27

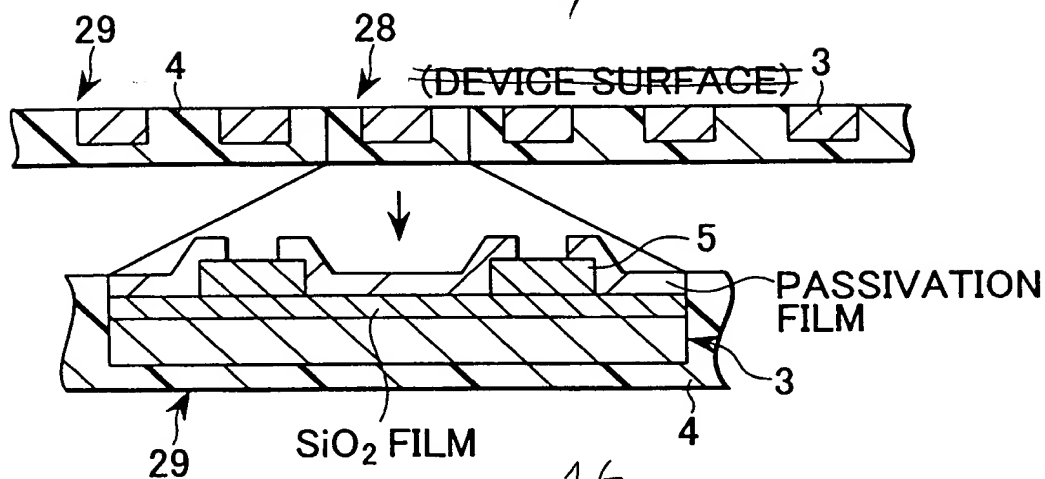


FIG. 20

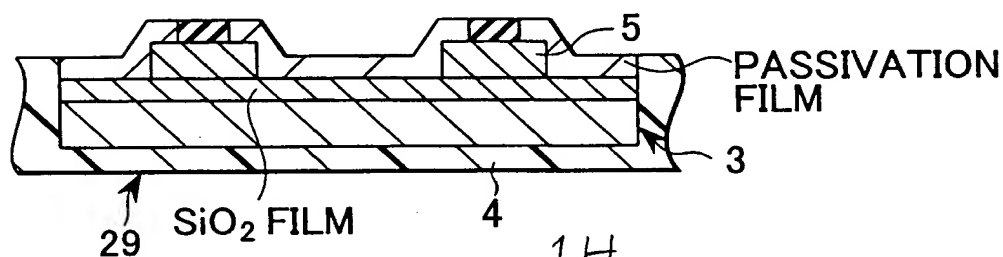
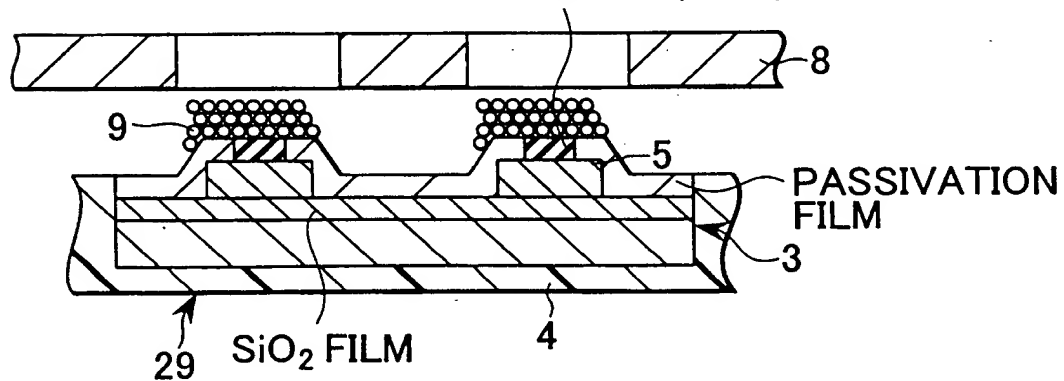


FIG. 2H

Ni ELECTROLESS PLATING LAYER (UBM)



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FIG. 3I 1I

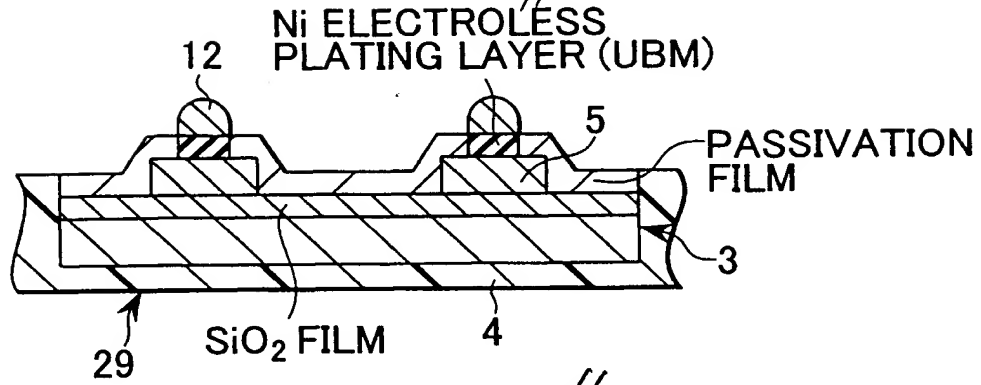


FIG. 3J 1J

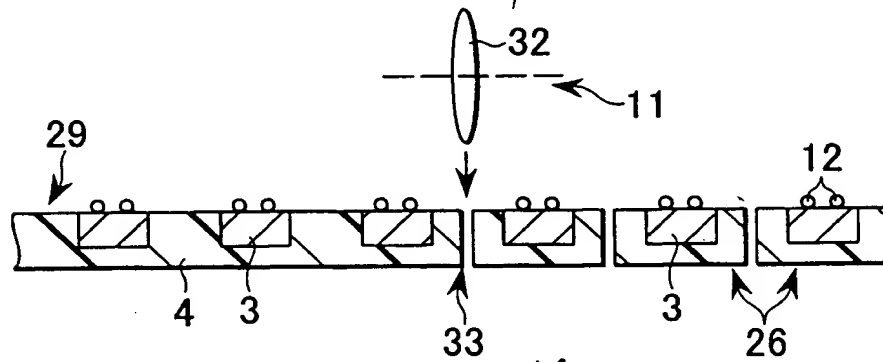


FIG. 3K 1K

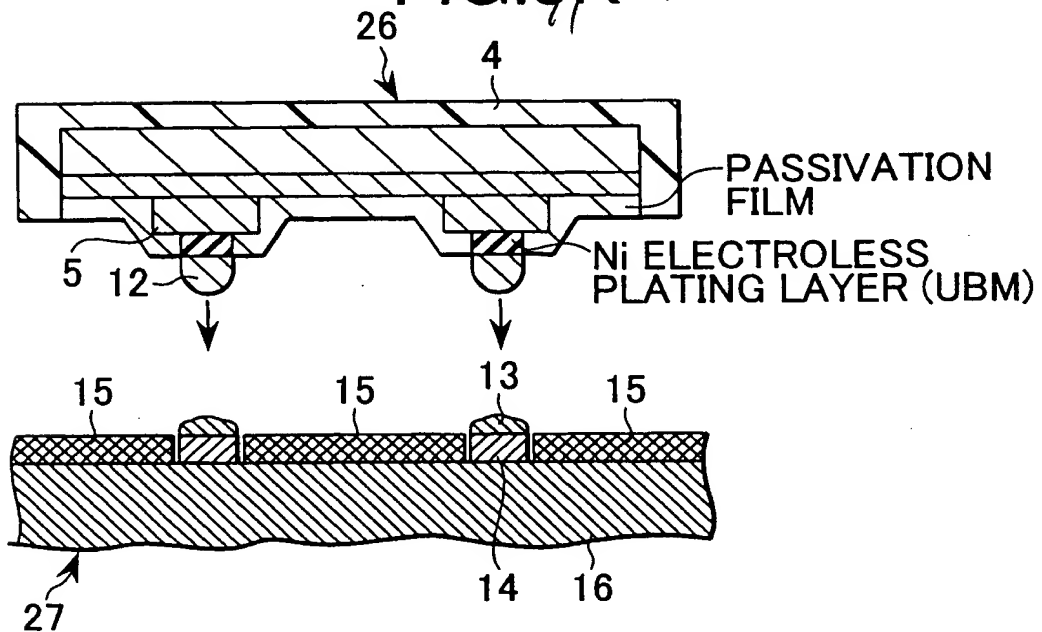
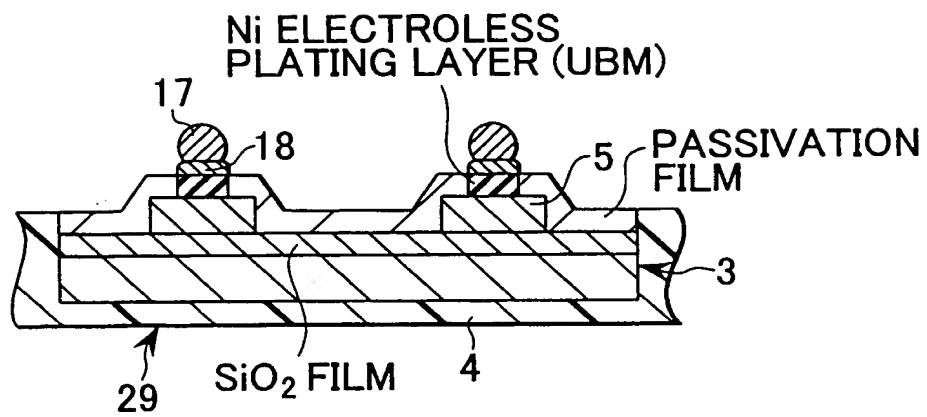
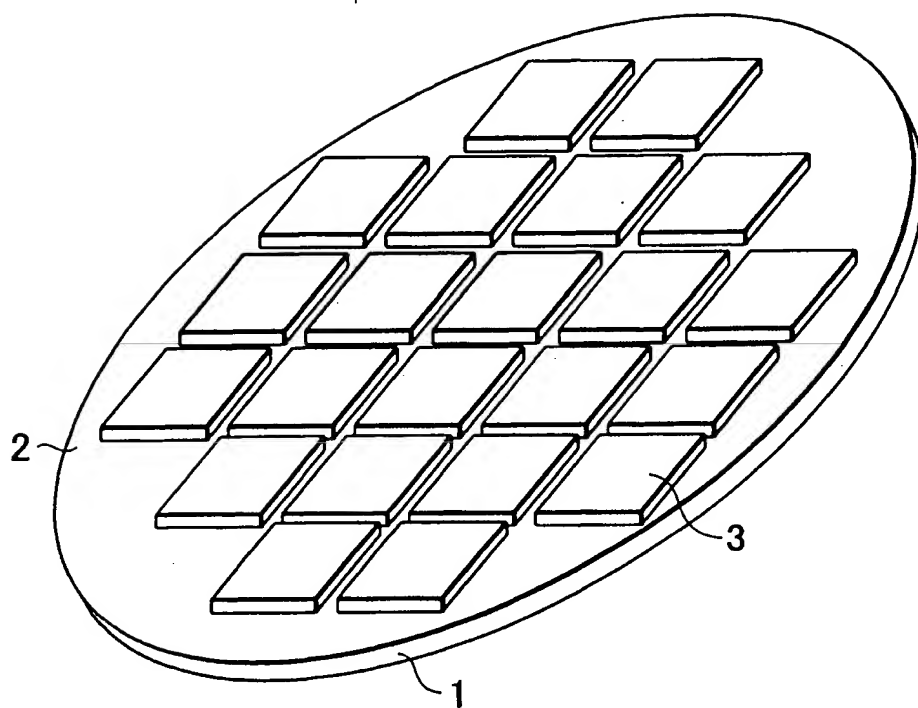


FIG. 4²

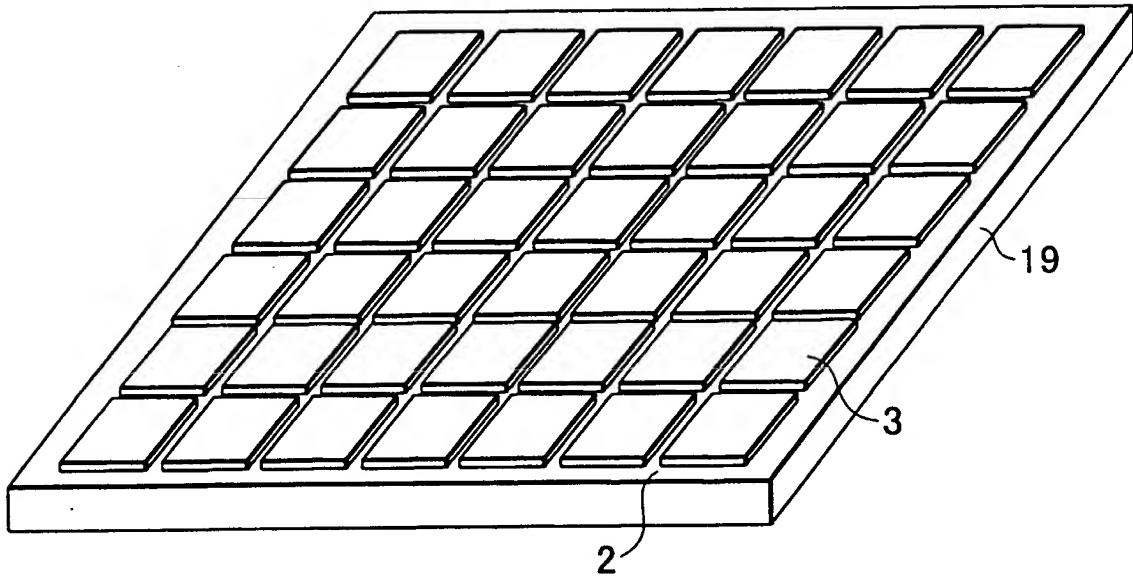


³
~~FIG. 5~~



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4
FIG. 6



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FIG. 7A 5A

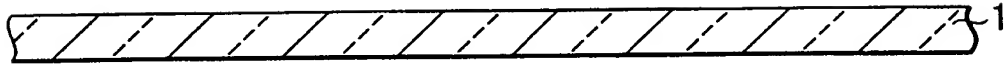


FIG. 7B 5B

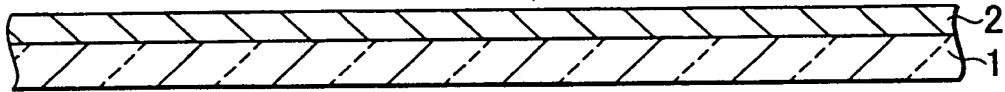


FIG. 7C 5C

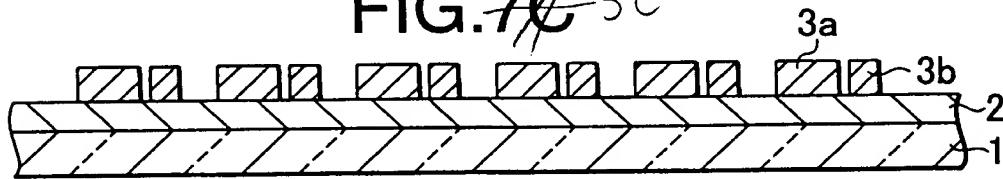


FIG. 7D 5D

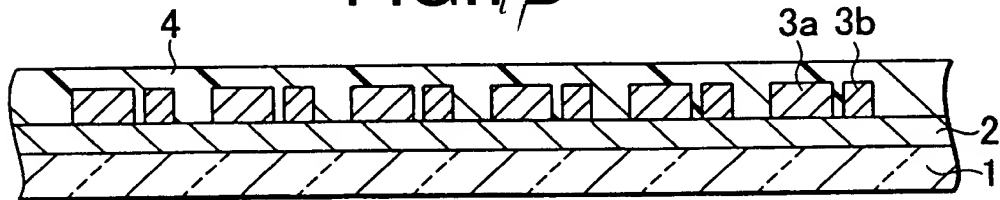
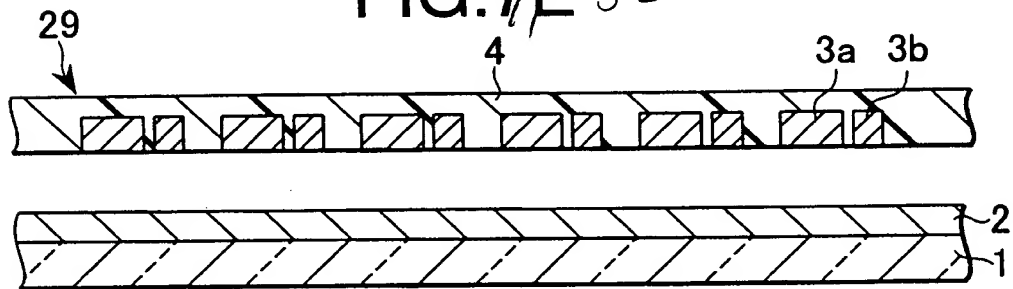


FIG. 7E 5E



↑ ↑ ↑
ULTRAVIOLET
RAYS

FIG. 8F 5F

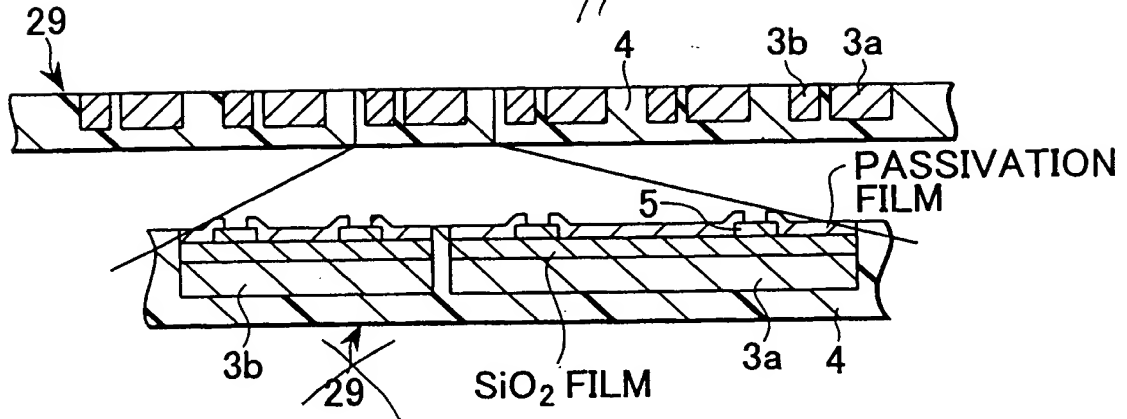


FIG. 8G 5G

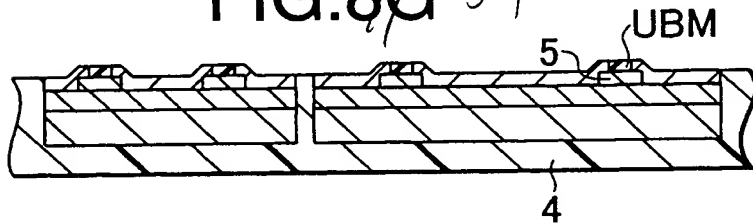


FIG. 8H 5H

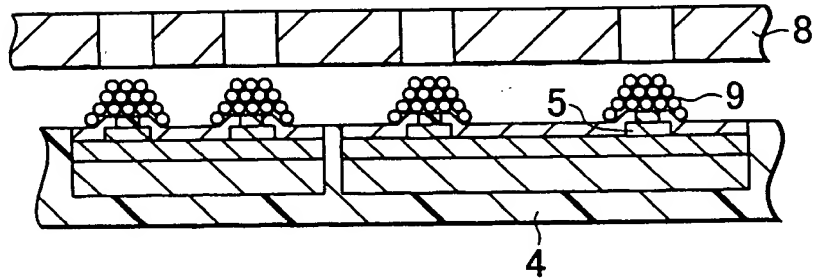


FIG. 9I 5I

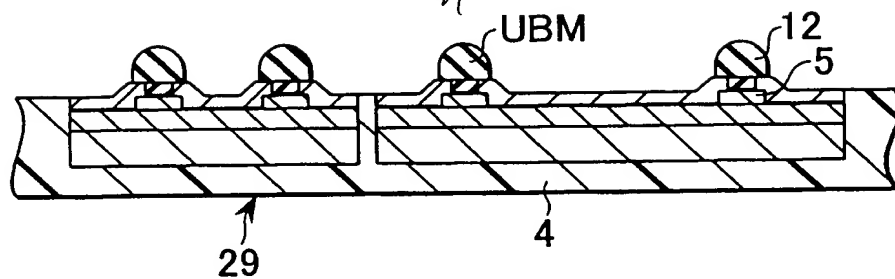


FIG. 9J 5J

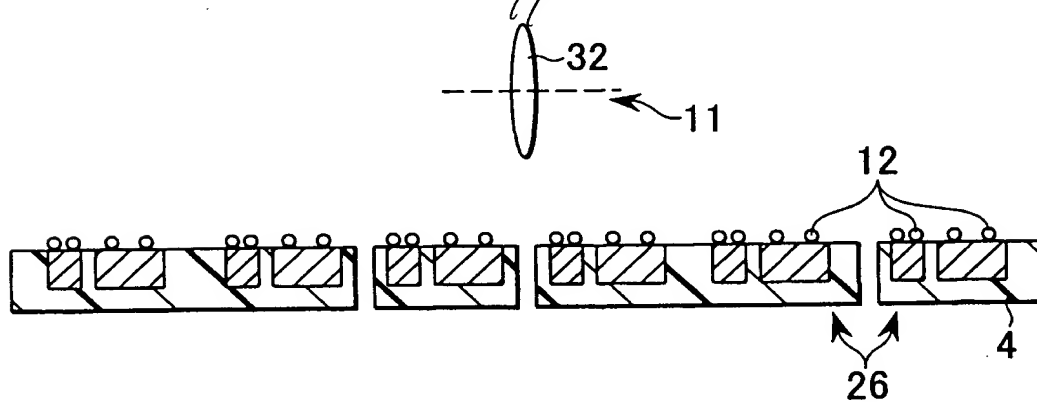


FIG. 10~~10~~^{10-b}

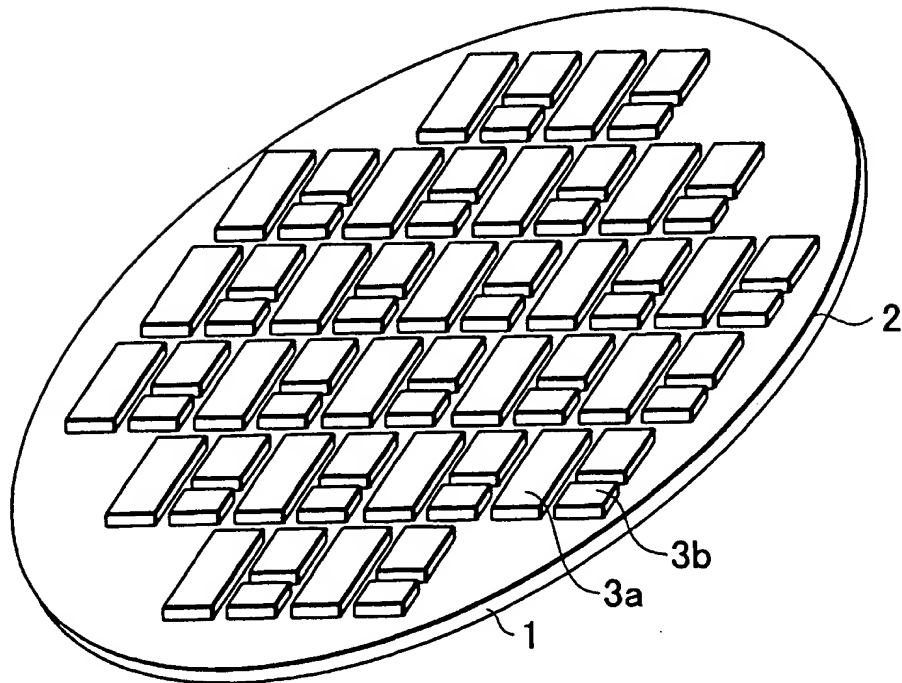


FIG. ~~11~~ 7

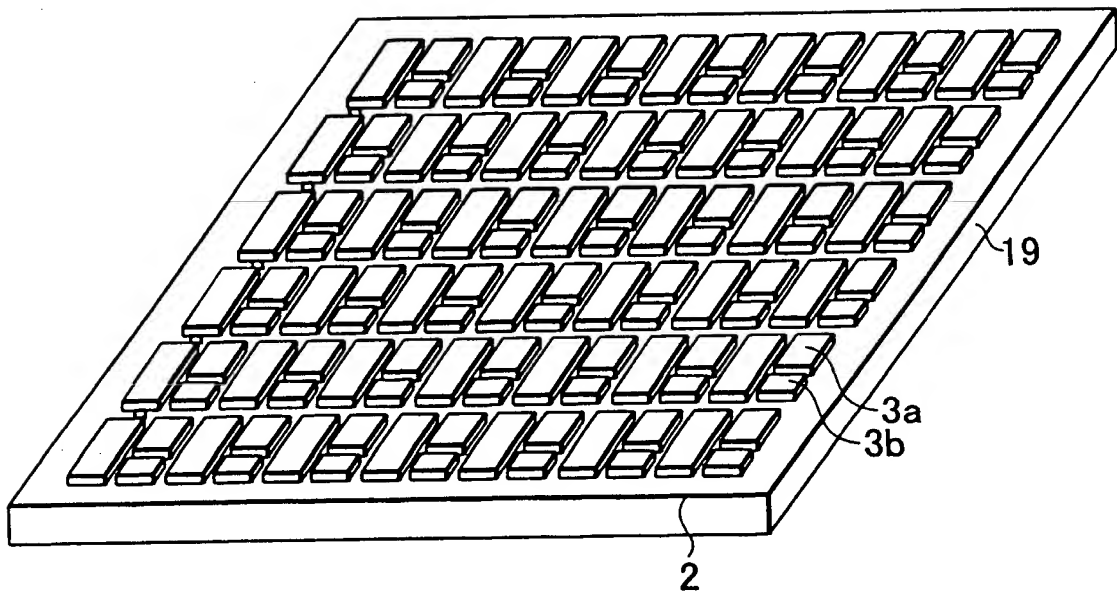


FIG. 12A 8A



FIG. 12B 8B

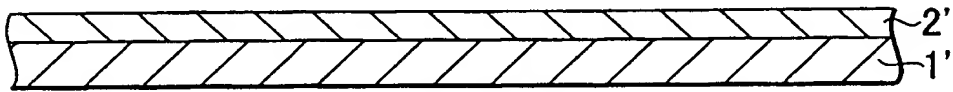


FIG. 12C 8C

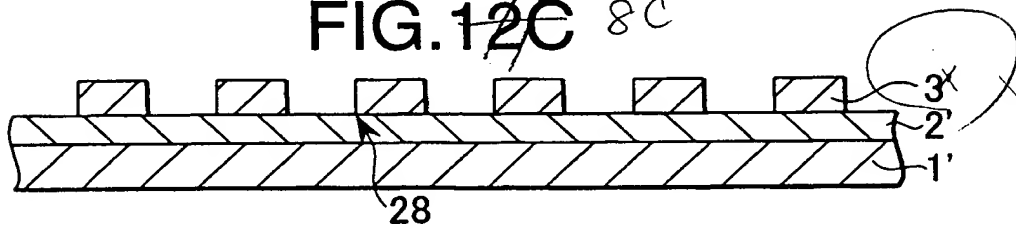


FIG. 12D 8D

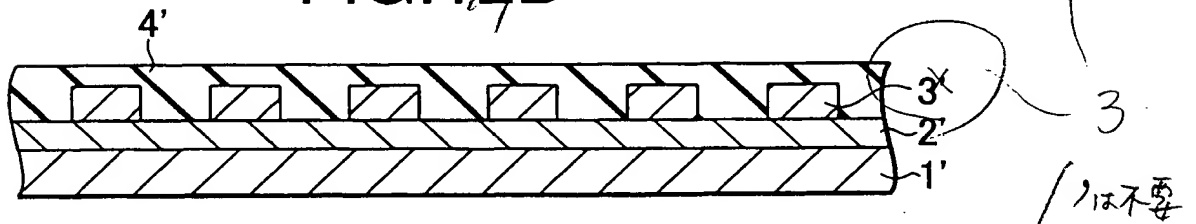


FIG. 12E 8E

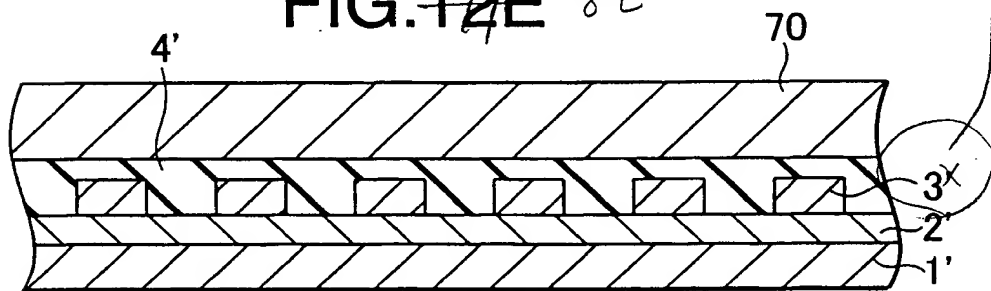


FIG. 13F 8F

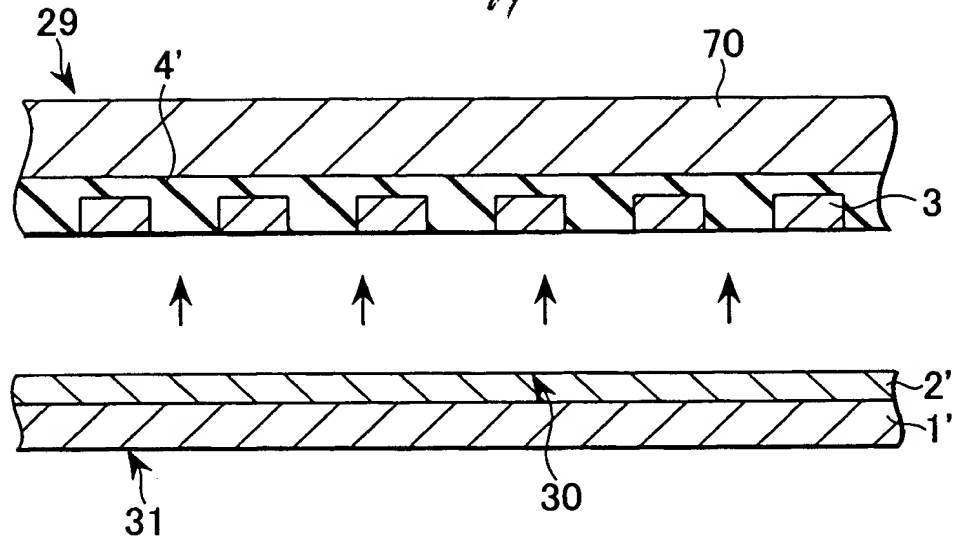


FIG. 13G 8G

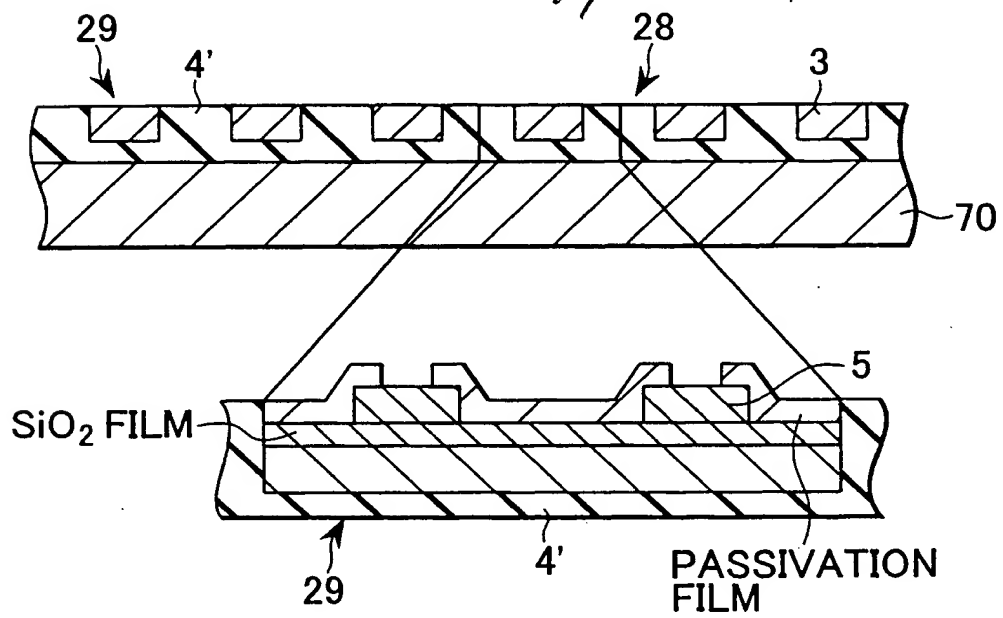


FIG. 14 9

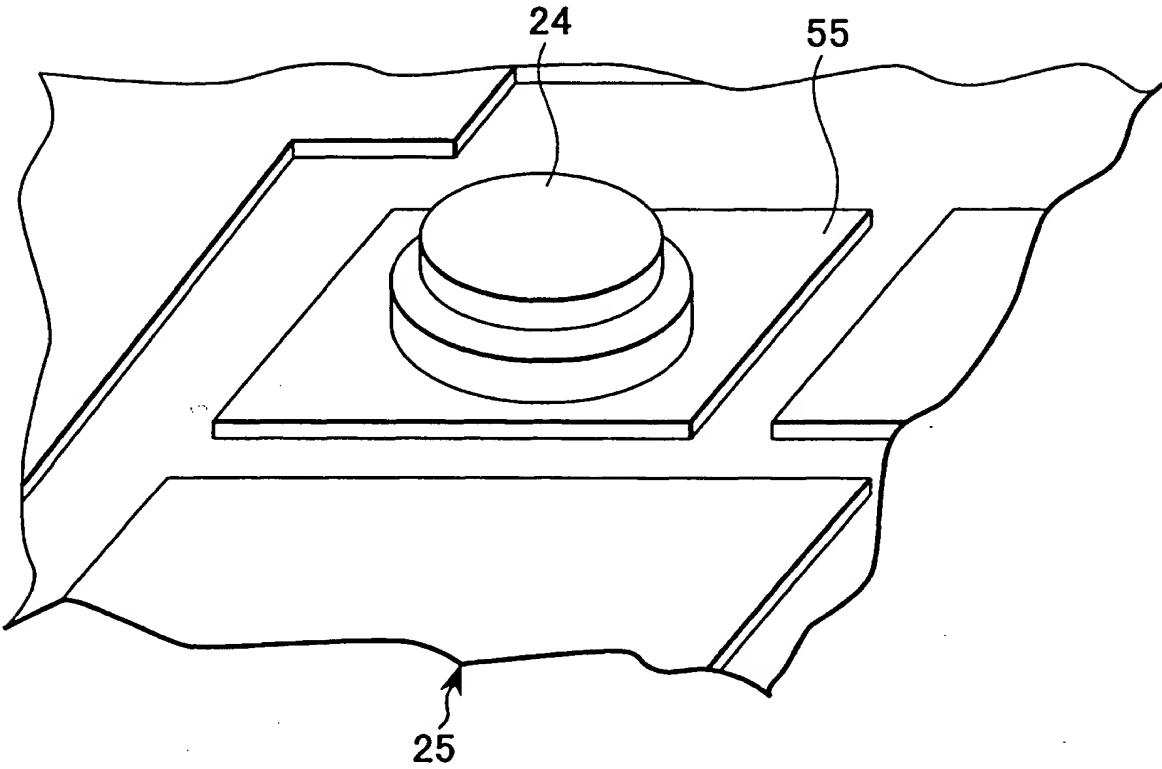


FIG. 15

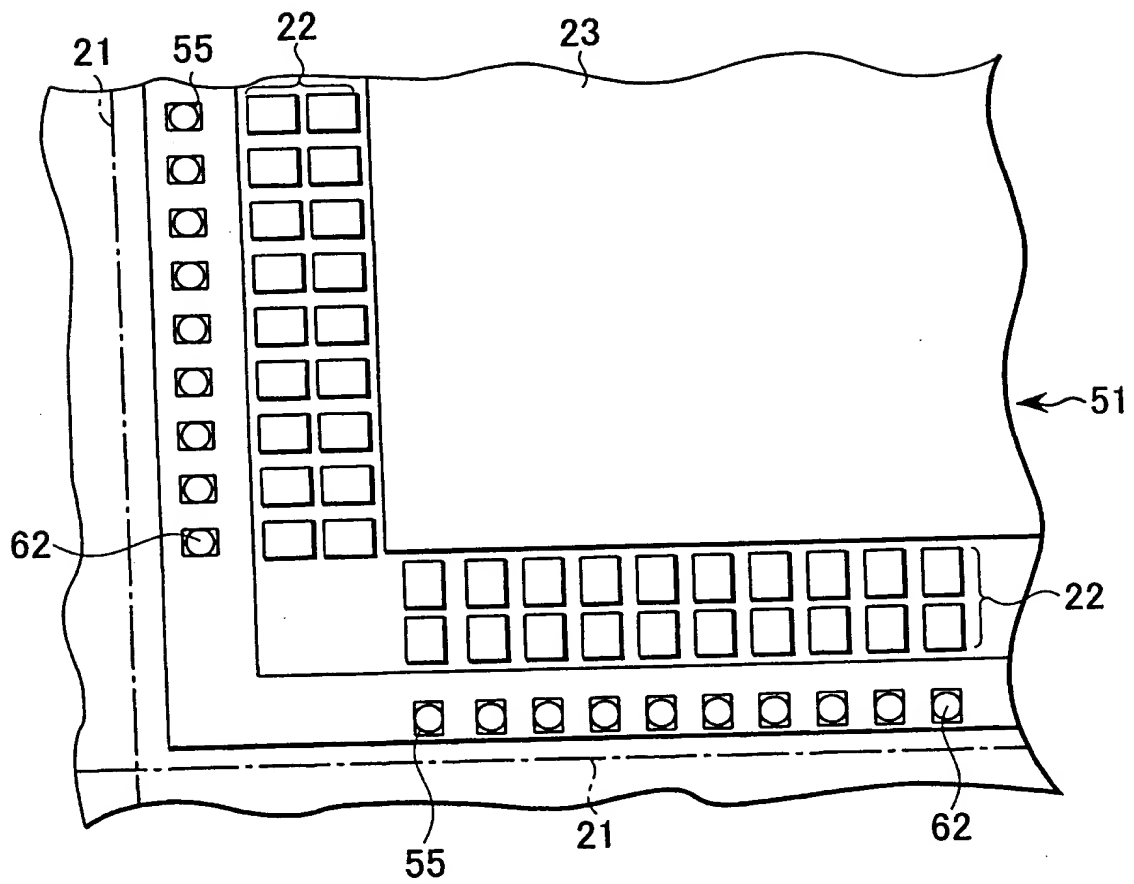


FIG. 16A

11A

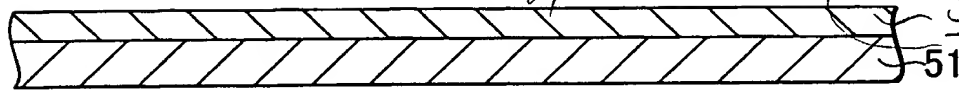


FIG. 16B

11B

CHIP
PORTION

PASSIVATION
FILM

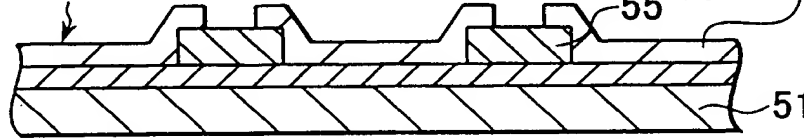
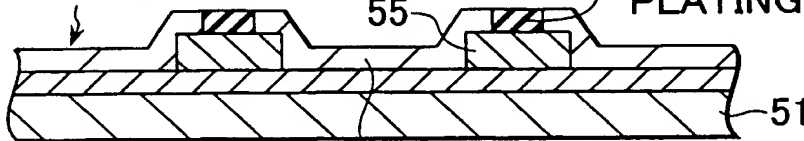


FIG. 16C

11C

CHIP
PORTION

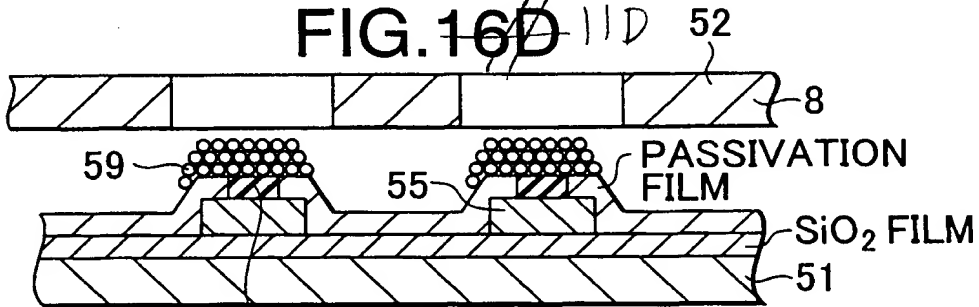
Ni ELECTROLESS
PLATING LAYER (UBM)



PASSIVATION
FILM

FIG. 16D

11D

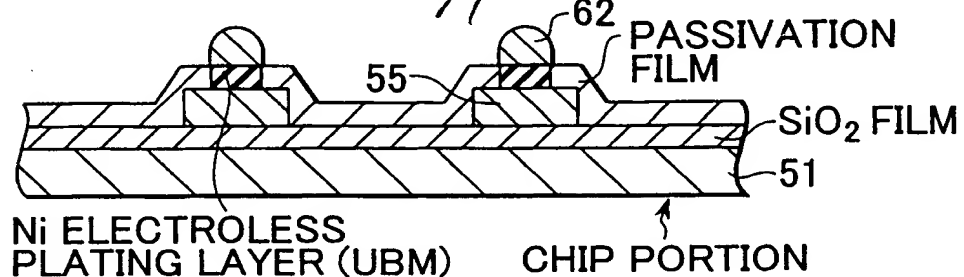


Ni ELECTROLESS
PLATING LAYER (UBM)

CHIP PORTION

FIG. 16E

11E



Ni ELECTROLESS
PLATING LAYER (UBM)

CHIP PORTION

FIG. 17 12 A

(a)

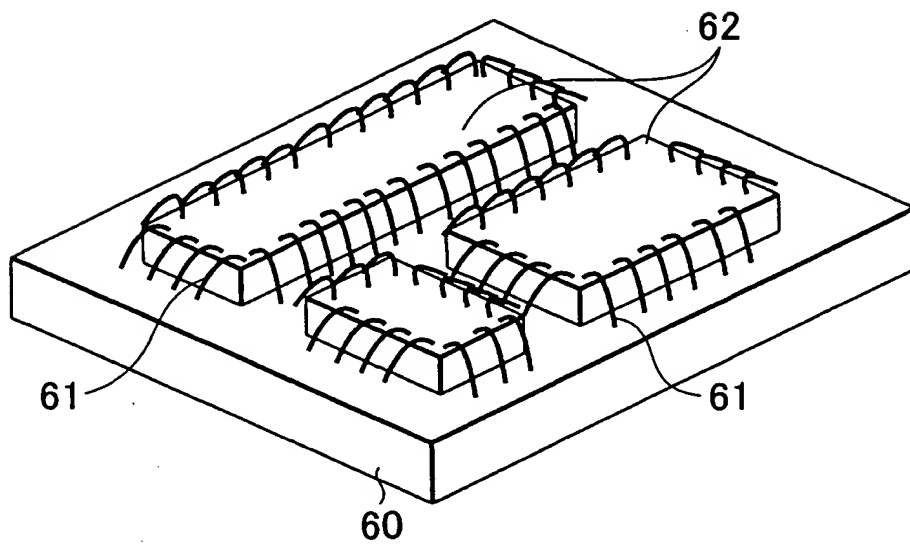


FIG. 12B

(b)

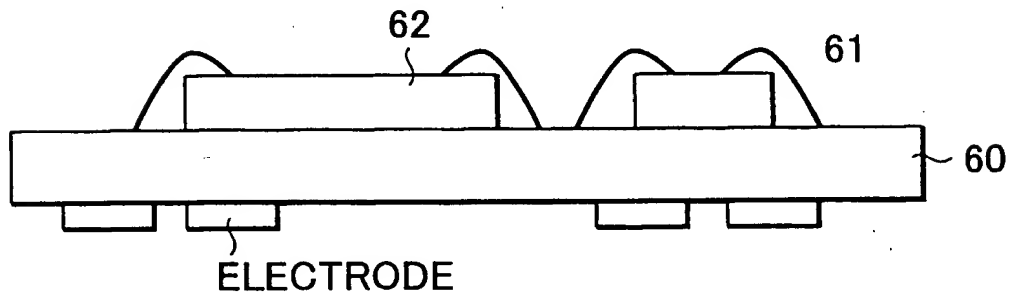


FIG. 18A 13A

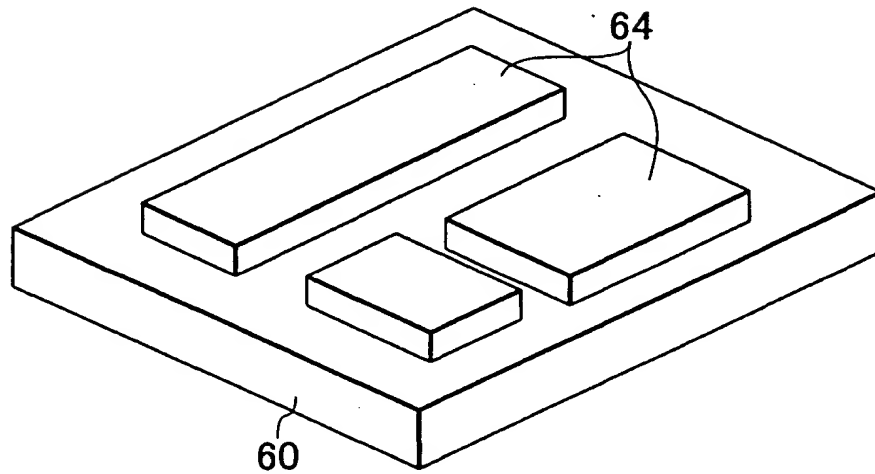


FIG. 18B 13B

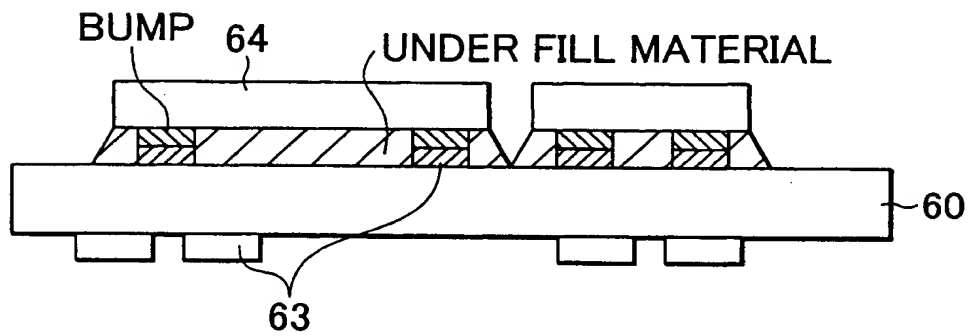
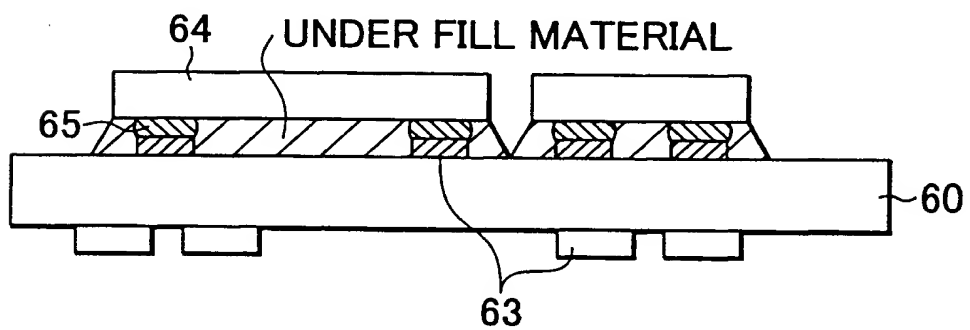


FIG. 18C 13C



14
FIG. 19

